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Substitute for form 1449A/B/PTO				Complete If Known	
				Application Number	10/713,878-Conf. # 1111
				Filing Date	November 13, 2003
				First Named Inventor	William M. Hiatt
				Art Unit	2814
				Examiner Name	Howard Weiss
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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US-5,107,328	04-21-1992	Kinsman	
		US-5,128,831	07-07-1992	Fox, III et al.	
		US-5,138,434	08-11-1992	Wood et al.	
		US-5,252,857	10-12-1993	Kane et al.	
		US-5,518,957	05-21-1996	Kim	
		US-5,593,927	01-14-1997	Farnsworth	
		US-5,677,566	10-14-1997	King et al.	
		US-5,883,426	03-16-1999	Tokuno et al.	
		US-5,891,797	04-06-1999	Farrar	
		US-5,925,930	07-20-1999	Farnsworth et al.	
		US-5,933,713	08-03-1999	Farnsworth	
		US-5,938,956	08-17-1999	Hembree et al.	
		US-5,946,553	08-31-1999	Wood et al.	
		US-5,986,209	11-16-1999	Tandy	
		US-5,990,566	11-23-1999	Farnsworth et al.	
		US-6,018,249	01-25-2000	Akram et al.	
		US-6,020,629	02-01-2000	Farnsworth et al.	
		US-6,020,624	02-01-2000	Wood et al.	
		US-6,028,365	02-22-2000	Akram et al.	
		US-6,048,755	04-11-2000	Jiang et al.	
		US-6,051,878	04-18-2000	Akram et al.	
		US-6,066,514	05-23-2000	King et al.	
		US-6,072,236	06-06-2000	Akram et al.	
		US-6,072,233	06-06-2000	Corisis et al.	
		US-6,081,429	06-27-2000	Barrett	
		US-6,080,291	06-27-2000	Woodruff et al.	
		US-6,089,920	07-18-2000	Farnsworth et al.	
		US-6,097,087	08-01-2000	Farnsworth et al.	
		US-6,107,122	08-22-2000	Wood et al.	
		US-6,114,240	09-05-2000	Akram et al.	
		US-6,130,474	10-10-2000	Corisis	

Examiner/Signature		Date Considered	7/20/05
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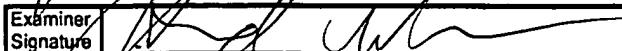
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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	US-6,150,717	11-21-2000	Wood et al.	
	US-6,148,509	11-21-2000	Schoenfeld et al.	
	US-6,153,924	11-28-2000	Kinsman	
	US-6,175,149-B1	01-16-2001	Akram	
	US-6,188,232-B1	02-13-2001	Akram et al.	
	US-6,201,304-B1	03-13-2001	Moden	
	US-6,212,767-B1	04-10-2001	Tandy	
	US-6,214,716-B1	04-10-2001	Akram	
	US-6,225,689-B1	05-01-2001	Moden et al.	
	US-6,228,548-B1	05-08-2001	King et al.	
	US-6,232,666-B1	05-15-2001	Corisis et al.	
	US-6,235,554-B1	05-22-2001	Akram et al.	
	US-6,239,489-B1	05-29-2001	Jiang	
	US-6,247,629-B1	06-19-2001	Jacobson et al.	
	US-6,258,623-B1	07-10-2001	Moden et al.	
	US-6,259,153	07-10-2001	Corisis	
	US-6,261,865-B1	07-17-2001	Akram	
	US-6,265,766-B1	07-24-2001	Moden	
	US-6,281,577-B1	08-28-2001	Oppermann et al.	
	US-6,281,042-B1	08-28-2001	Ahn et al.	
	US-6,285,204-B1	09-04-2001	Farnworth	
	US-6,294,839-B1	09-25-2001	Mess et al.	
	US-6,297,547-B1	10-02-2001	Akram	
	US-6,303,981-B1	10-16-2001	Moden	
	US-6,310,390	10-30-2001	Moden	
	US-6,326,698-B1	12-04-2001	Akram	
	US-6,329,222	12-11-2001	Corisis et al.	
	US-6,331,221-B1	12-18-2001	Cobbley	
	US-6,429,528-B1	08-06-2002	King et al.	
	US-6,432,796	08-13-2002	Peterson	
	US-6,437,586-B1	08-20-2002	Robinson	
	US-6,483,044-B1	11-19-2002	Ahmad	
	US-6,548,376-B2	04-15-2003	Jiang	
	US-6,552,910-B1	04-22-2003	Moon et al.	

Examiner Signature		Date Considered	2/20/05
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	US-6,560,117-B2	05-06-2003	Moon	
	US-6,564,979-A1	05-20-2003	Savarla	
	US-6,607,937-B1	08-19-2003	Corisis	
	US-6,614,092-B2	09-02-2003	Eldridge et al.	
	US Application No. 10/928,598	Filed: 08-27-2004	Kirby	
	US-2005/0127478-A1	06-16-2005	Hiatt et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
		Optomec, Inc., M3D™, Maskless Mesoscale™ Materials Deposition, 2 pages, < <a href="http://www.optomec.com/downloads/M3DSheet.pdf">http://www.optomec.com/downloads/M3DSheet.pdf</a> >, retrieved from the Internet on June 17, 2005.			
		King, B. et al., Optomec, Inc., M3D™ Technology, Maskless Mesoscale™ Materials Deposition, 5 pages, < <a href="http://www.optomec.com/downloads/M3D%20White%Paper%20080502.pdf">http://www.optomec.com/downloads/M3D%20White%Paper%20080502.pdf</a> >, retrieved from the Internet on June 17, 2005.			
		Xsil, Via Applications, 1 page, < <a href="http://www.xsil.com/viaapplications/index.htm">http://www.xsil.com/viaapplications/index.htm</a> >, retrieved from the Internet on July 22, 2003.			
		Xsil, Vias for 3D Packaging, 1 page, < <a href="http://www.xsil.com/viaapplications/3dpackaging/index.htm">http://www.xsil.com/viaapplications/3dpackaging/index.htm</a> >, retrieved from the Internet on July 22, 2003.			
		Optomec, Inc., M3D™ Technology, Maskless Mesoscale Materials Deposition (M3D), 1 page, < <a href="http://www.optomec.com/html/m3d.htm">http://www.optomec.com/html/m3d.htm</a> >, retrieved from the Internet on August 15, 2003.			

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